



Lossy Foam Absorber

AFR0000-01

The Lossy Foam Absorber product series is a lightweight conductive carbon loaded sheet stock providing broadband insertion loss at microwave frequencies. Lossy Foam Absorbers are designed with a continuous electrical coating to exhibit high insertion loss and are intended to be applied to surfaces inside microwave cavities, housings, radomes, network enclosures, or antennae. Lossy Foam Absorbers attenuate energy at normal and high angles of incidence at frequencies from 1 GHz to 18 GHz.



APPLICATIONS

- Antenna Pattern Performance
- Sidelobe/backlobe reduction
- Resonant Cavity Attenuation
- EMI Reduction
- Rx/Tx Antenna Isolation
- Radar Cross Section Reduction
- Dual use air filter/EMI absorber

FEATURES & BENEFITS

- Lightweight polyether reticulated foam
- Cost effective broadband material
- Easily applied with PSA
- Most broadband absorber material
- RoHS Compliant
- Halogen Free

TYPICAL PROPERTIES

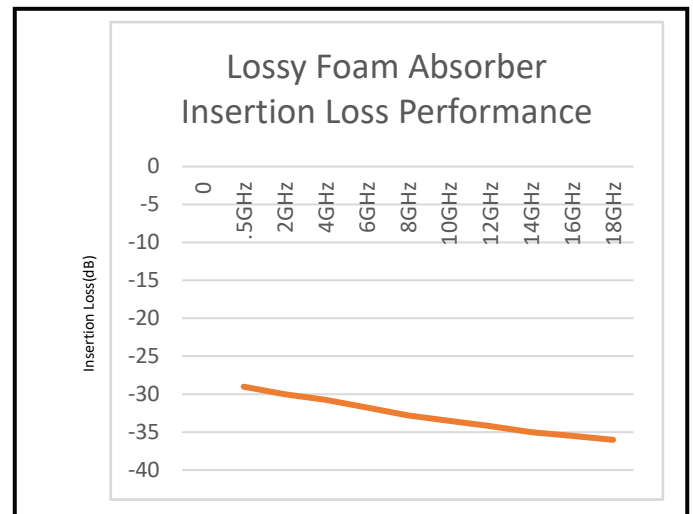
- Thickness: 0.500" (12.8mm)
- Adhesive Thickness: 0.005" (0.12mm)
- Color: Black
- Operating Temperature: -60°F to 250°F
- Flammability Rating: UL94-HF1 Available

PART NUMBERING: AFR0000-01

- 00: No PSA backing
- 01: PSA backing

ELECTRICAL PERFORMANCE

This performance plot illustrates the insertion loss performance of this material.



METHOD OF APPLICATION

The primary method of application for Lossy Foam Absorbers is utilizing a Pressure Sensitive Adhesive (PSA) backing. We proudly uses 3M transfer tapes on it's Lossy Foam Absorbers.

AVAILABILITY

Standard Sheet Sizes: 24" x 24" (610 x 610mm)

Custom Sizes Available

Format: Sheets, Die Cut

All information on this data sheet is based on laboratory testing and is not intended for design purposes. CTS makes no representations or warranties of any kind concerning this data.

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*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE